

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A pharmaceutical delivery vehicle, said delivery vehicle comprising in combination:

a drug particle having an initial mass disposed within a diffusional boundary layer comprising a matrix and a solubilizing agent, the diffusional boundary layer having a volume; said matrix and said solubilizing agent forming the diffusional boundary layer, the ratio of the initial mass of the drug particle M_p to the volume of the diffusional boundary layer V_{BL} defines a concentration of an insoluble drug of the drug particle at a solid-liquid interface as

$$\frac{\delta}{SA \circ D} \frac{dm}{dt}$$

where δ is the thickness of the diffusional boundary layer, SA is the surface area of said drug particle available for dissolution, D is the diffusion coefficient of the drug in solid form, m is the mass of the drug particle in solid form, and t is time wherein said drug disposed in the drug particle has a dissolution rate greater than twofold compared to said drug in a bulk powder form of a dimension the same as the drug particle by maintaining adjacent to said drug particle solubilizing agent micelles to solubilize said drug from said drug particle through control of the volume of the diffusional boundary layer.

2. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises a surfactant.

3. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises an emulsion.

4. (Original) A delivery vehicle according to claim 3, wherein said emulsion comprises a microemulsion.

5. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises lecithin.

6. (Original) A delivery vehicle according to claim 1, wherein said matrix comprises a polymer.

7. (Original) A delivery vehicle according to claim 1, wherein said matrix comprises a film.

8. (Original) A delivery vehicle according to claim 6, wherein said polymer comprises a carbohydrate.

9. (Original) A delivery vehicle according to claim 8, wherein said carbohydrate comprises gelatin.

10. (Original) A delivery vehicle according to claim 1, wherein said boundary layer comprises said matrix embedded with said solubilizing agent.

11. (Previously Presented) A delivery vehicle according to claim 1, wherein said matrix encloses said drug particle and said solubilizing agent.

Claims 12-20 (Cancelled)